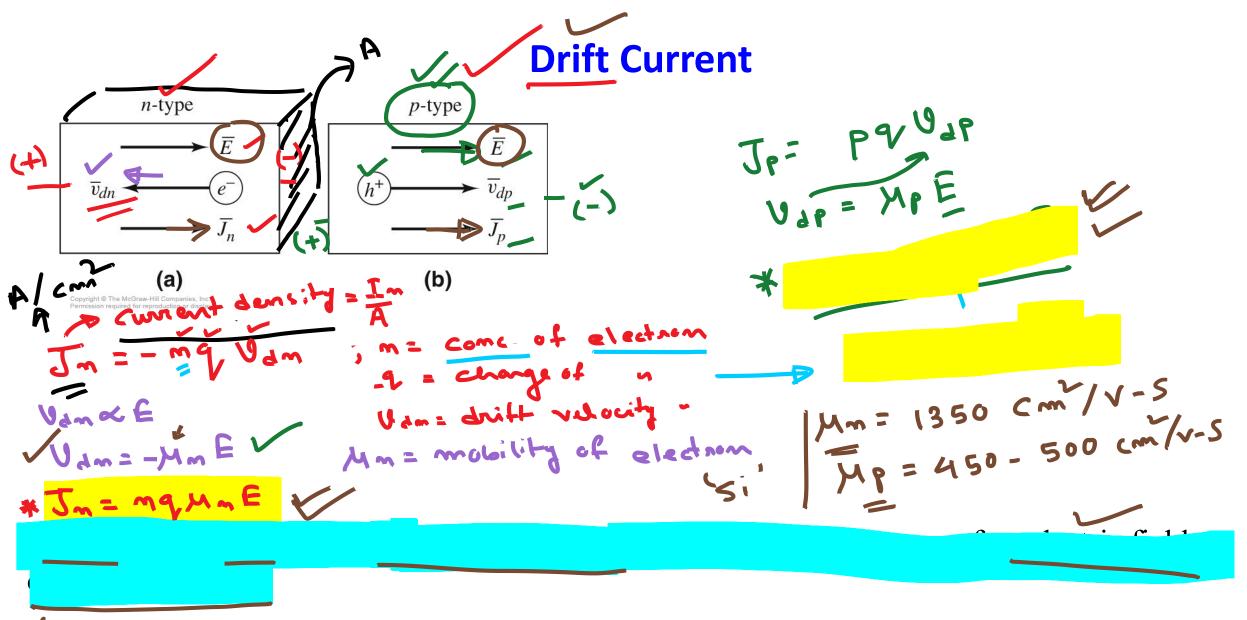
Movement of carriers

Two prousses.

1 Drift -> Electric Fild

2) Diffusion De Concentration gradient



The drift currents associated with the electrons and holes are in the same direction.

Drift Current mq Mm E + PQ MP E

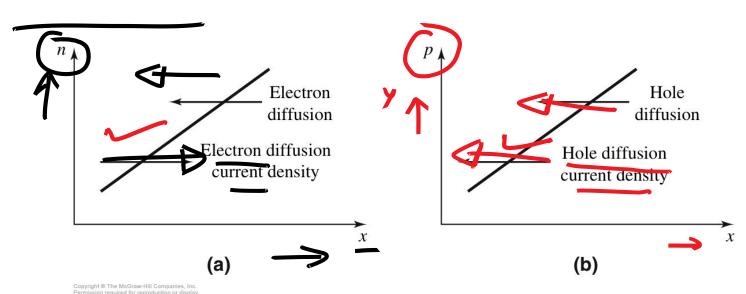
Jn = 2 Dm dm lectrons

Jn = 2 Dm dm

Jr = -2 Dp dp

Jr

Diffusion Current



Both electrons and holes flow from high concentration to low.

The diffusion current associated with the electrons flows in the opposite direction when compared to that of the holes.

✓ Diffusion Current